FORMAL

IN RE APPLICATION NUMBER: 10/734,339 RECEIVED CENTRAL FAX CENTER
TRANSMITTAL COVER LETTER FOR FACSIMILE TRANSMISSION APR 1 2 2005
PLEASE DELIVER THE FOLLOWING PAGES TO:
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Attention: Examiner An T. Luu TC Art Unit 2816
FACSIMILE NUMBER: (703) 872-9306
THE SENDER IS:  Michael J. Chasan  Registration Number 54,026  FISH & NEAVE IP GROUP  ROPES & GRAY LLP  1251 Avenue of the Americas  New York, New York 10020-1105  Tel.: (212) 596-9000  Fax.: (212) 596-9090
CLIENT/MATTER NO. 002322-0039
CERTIFICATE OF FACSIMILE TRANSMISSION  I hereby certify that this paper is being facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.
April 12, 2005  Date  Mickael J. Chasan
TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 9
DATE: 4/12/05 FACSIMILE OPERATOR: Andrew Shire
THIS COMMUNICATION IS INTENDED ONLY FOR THE USE OF THE ADDRESSEE AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT THE UNAUTHORIZED DISSEMINATION OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE.
PLEASE ACKNOWLEDGE SAFE RECEIPT OF THIS TRANSMISSION BY SIGNING AND RETURNING THIS COVER SHEET TO US BY FACSIMILE.
WE ACKNOWLEDGE SAFE RECEIPT OF THIS TRANSMISSION
SIGNED: DATE:
IF NOT, PLEASE CALL BACK AS SOON AS POSSIBLE PHONE (212) 596-9300 (ASK FOR "FAX OPERATOR")

2125969325 T-042 P.02 F-532

### RECEIVED CENTRAL FAX CENTER

APR 1 2 2005

PATENTS MIC-39

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant : Seong-Hoon Lee

Application No.: 10/734,339 Confirmation No.: 3691

Filed

: December 11, 2003

For

: DIGITAL FREQUENCY MULTIPLYING DLLs

Group Art Unit : 2816

Examiner : An T. Luu

New York, New York 10020

April 12, 2005

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

## SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97, applicant hereby makes the following documents of record in the above-identified patent applications:

### U.S. Patent Documents

Patent No.	Applicant(s)	Issued
4,985,639	Renfrow et al.	01/15/1991
5,663,665	Wang et al.	09/02/1997
6,812,753	Lin	11/02/2004

The aforementioned documents, which are listed on the accompanying Form PTO SB/08A (submitted in duplicate), fall under 37 CFR \$1.98(a)(2)(i) for which documents the requirement to provide copies is waived for U.S. national patent applications filed after June 30, 2003, by U.S. Patent and Trademark Office Official Gazette notice 1276 OG 55. Accordingly, no copies of the aforementioned documents are provided.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicant requests that a copy of Form SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

This Statement is submitted after the mailing date of the first Office Action, but before the mailing date of a Final Office Action, a Notice of Allowance, or an Office Action that otherwise closes prosecution.

Pursuant to 37 C.F.R. §1.97(c)(2), the Director is hereby authorized to charge \$180.00 in payment of the fee set forth in 37 C.F.R. §1.17(p), and any additional fee that may be required in connection with this Information Disclosure Statement, to Deposit Account No. 06-1075. A duplicate copy of this Information Disclosure Statement is submitted herewith.

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully/submitted,

Michael J. Chasan

Registration No. 54,026

Agent for Applicant

FISH & NEAVE

Customer No. 1473

1251 Avenue of the Americas

New York, New York 10020-1105

Tel.: (212) 596-9000 Fax: (212) 596-9090

PATENTS MIC-39

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant : Seong-Hoon Lee

Application No.: 10/734,339 Confirmation No.: 3691

Filed : December 11, 2003

FOR : DIGITAL FREQUENCY MULTIPLYING DLLS

Group Art Unit : 2816

Examiner : An T. Luu

New York, New York 10020

April 12, 2005

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

# SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97, applicant hereby makes the following documents of record in the above-identified patent applications:

#### U.S. Patent Documents

5,663,665 Wang et al. 09/02/199	Patent No.	Applicant(s)	Issued
6,612,753	· ·	_	01/15/1991 09/02/1997 11/02/2004

The aforementioned documents, which are listed on the accompanying Form PTO SB/08A (submitted in duplicate), fall under 37 CFR §1.98(a)(2)(i) for which documents the requirement to provide copies is waived for U.S. national patent applications filed after June 30, 2003, by U.S. Patent and Trademark Office Official Gazette notice 1276 OG 55. Accordingly, no copies of the aforementioned documents are provided.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicant requests that a copy of Form SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

This Statement is submitted after the mailing date of the first Office Action, but before the mailing date of a Final Office Action, a Notice of Allowance, or an Office Action that otherwise closes prosecution.

Pursuant to 37 C.F.R. §1.97(c)(2), the Director is hereby authorized to charge \$180.00 in payment of the fee set forth in 37 C.F.R. §1.17(p), and any additional fee that may be required in connection with this Information Disclosure Statement, to Deposit Account No. 06-1075. A duplicate copy of this Information Disclosure Statement is submitted herewith.

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully submitted,

Michael Chasan

Registration No. 54,026

Agent for Applicant

FISH & NEAVE

Customer No. 1473

1251 Avenue of the Americas

New York, New York 10020-1105

Tel.: (212) 596-9000

Fax: (212) 596-9090

2125969325

T-042 P.08/09 F-532

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Applicant Number	10/734,339
Filing Date	December 11, 2003
First Named Inventor	Seong-Hoon Lee
Art Unit	2816
Examiner Name	An T. Luu
Attorney Docket Number	MIC-39
Confirmation Number	3691
Commination Number	3031
	Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number

Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,985,639	01-15-1991	Renfrow et al.	
		5,663,665	09-02-1997	Wang et al.	·
		6,812,753	11-02-2004	Lin	<u></u>
			,		
				<u></u>	

·	U. S. PATENT APPLICATION PUBLICATION							
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			

		FOREIGN PA	ATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	τ•
						<u> </u>

Francisco	Date	1
Examiner	Considered	
Signature	 CUISIDELEG	J
<u> </u>		

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant: 1 Applicant's unique citation designation number (optional). 2 See Kinds. Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 Fo. Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English, language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file rand by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM: TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

2125969325

T-042 P.09/09 F-532

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Transmark Chica, U.S. Department of Commerce U.S. Patent and Transmark Chica, U.S. Department of Commerce Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ng Date st Named Inventor Unit	December 11, 2003 Seong-Hoon Lee 2816
Unlt	
	2816
aminer Name	An T. Luu
orney Docket Number	MIC-39
nfirmation Number	3691
	orney Docket Number Infirmation Number

Examiner Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials"	1	Number-Kind Code <sup>2</sup> (# known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
~~~		4,985,639	01-15-1991	Renfrow et al.	•••
		5,663,665	09-02-1997	Wang et al.	
		6,812,753	11-02-2004	Lin	
			<del></del>		
-			~		

<u> </u>	U. S. PATENT APPLICATION PUBLICATION							
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patantae or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			

		FOREIGN P	ATENT DOCU	MENTS		ř
Examiner Initials	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passage: or Relevant Figures Appear	₹6

Examiner	Date	1
Signature	Considered	
( Digital care		<del></del>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.usptu.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 Fo. Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 6 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (.ind by the USPTO to process) an application. Confidentiallty is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the included case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.